



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: **KOBAYASHI, Hirohiko et al.**

Group Art Unit: 2828

Serial No.: 09/805,182

Examiner: **J. MENEFFEE**

Filed: **March 14, 2001**

P.T.O. Confirmation No.: 2824

For: **COMPLEX COUPLING MQW SEMICONDUCTOR LASER**

SUBMISSION UNDER 37 C.F.R. §1.114

Commissioner for Patents
Washington, D.C. 20231

April 16, 2003

Sir:

This Submission is being filed concurrently with a Request for Continued Examination pursuant to 37 C.F.R. §1.114. This Submission is responsive to the Office Action dated November 18, 2002. Reconsideration and removal of the rejections are respectfully requested in view of the following remarks.

IN THE CLAIMS:

AMEND claim 1 to read as follows:

1. (Twice Amended) A distributed feedback semiconductor laser, comprising:
- a lower quantum well structure extending along a resonator direction, said lower quantum well structure having a lamination of alternately stacked lower barrier layer and lower well layer having a band gap narrower than the lower barrier layer;
 - an intermediate layer disposed on said lower quantum well structure, said intermediate layer having a band gap broader than the lower well layer and a thickness thicker than the lower barrier

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